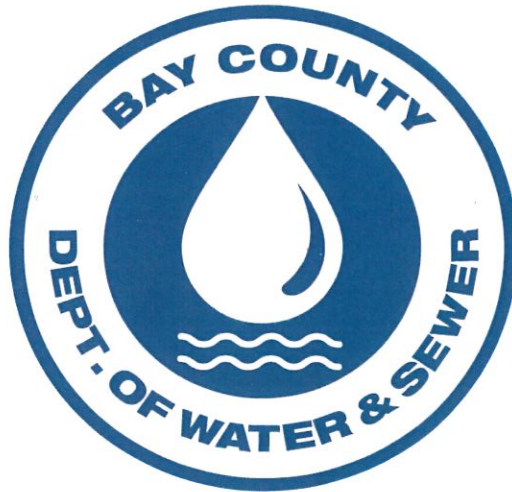


# Bay Area WTP

## Monthly Operations Report



March, 2026

Water Systems Serial Number: 0465

  
Carl J. Overly

Water Plant Superintendent  
Title

F-1, S-3, D-3  
Classification

  
Mike Wagar

Operations Supervisor  
Title

F-1, S-4  
Classification

# Bay Area Water Treatment Plant

## Monthly Operations Report

Supply Name: Bay Area Water System  
WSSN: 0465

Carl J. Overly  
Operator-in-charge

March, 2026  
Month, Year

F-1, S-3, D-3  
Certification of Operator-in-charge

F-1  
Water Plant Classification

20001  
Operator Identification Number for Operator-in-charge

Bay  
County

### Treatment Rate and Membrane Data

Treatment Rate, Approved Rated Plant Capacity	<u>17.4</u>	Millions of Gallons per Day
Treatment Rate, Maximum	<u>6.9</u>	Millions of Gallons per Day
Maximum Approved Transmembrane Pressure	<u>22</u>	PSI
Maximum Operating Transmembrane Pressure	<u>12.57</u>	PSI
Maximum Approved Flux Rate	<u>36.25</u>	gpd/sq.ft.
Maximum Operating Flux Rate	<u>28.42</u>	gpd/sq.ft.

### Chemical Data

Sodium Hypochlorite on hand:	<u>3,082</u>	Gallons	Estimated Supply:	<u>70.6</u>	days
Caustic Soda on hand:	<u>1,861</u>	Gallons	Estimated Supply:	<u>127.4</u>	days
Corrosion Inhibitor on hand:	<u>567</u>	Gallons	Estimated Supply:	<u>28.6</u>	days
Hydrofluosilicic Acid on hand:	<u>1,076</u>	Gallons	Estimated Supply:	<u>70.5</u>	days
Aluminum Chlorohydrate on hand:	<u>191</u>	Gallons	Estimated Supply:	<u>64.6</u>	days
Sulfuric Acid on hand:	<u>427</u>	Gallons	Estimated Supply:	<u>213.6</u>	days
Sodium Bisulfite on hand:	<u>219</u>	Gallons	Estimated Supply:	<u>75.6</u>	days
Citric Acid on hand:	<u>2,058</u>	Gallons	Estimated Supply:	<u>164.6</u>	days
Cost of All Chemicals per Million Gallons:	<u>86.26</u>	Dollars			

### Utility Data

Estimated Electrical Kilo Watts per Million Gallons:	<u>1,014.59</u>	KW
Estimated Natural Gas Million Cubic Feet per Million Gallons:	<u>29.24</u>	Mcf

### Remarks

Number of periods of filter confluence turbidity samples > 0.3 NTU	<u>0</u>
Percent of membrane period confluence samples > 0.3 NTU:	<u>0.00%</u>
Was continuous (every 15 minutes) filter monitoring equipment off-line during the month? If yes, indicate date(s), duration, and individual filter grab sampling frequency on a separate sheet.	<u>No</u>
Did POE disinfectant residual fall below 0.2 ppm during the month? If yes, indicate date(s) and duration on a separate sheet.	<u>No</u>
Was minimum C*T credit achieved for the entire month? If no, indicate on a separate sheet the date(s) not achieved.	<u>Yes</u>
Was continuous POE chlorine residual monitoring equipment off-line during the month? If yes, date(s) and duration will be indicated on the this page.	<u>Yes</u>

### Notes

Tap (POE) Cl2 was off from 8:05am to 9:05am on 3-11-26 to allow for maintenance activities.  
On March 19th, the SCADA network had communication difficulties due to a server memory issue.  
The majority of the communication issue was corrected on the 19th, expect for operational data from Skid 5.  
Skid 5 lost connection to the historian and wasn't able to log data. This issue was identified before Skid 5 was in service for an extended period of time.  
Skid 5 was taken out of service overnight and was returned to service on the 20th once the communication issue was resolved.  
The CL17s supporting the sample points for Raw, Membrane Feed, and Treated were replaced with Chemtrac HydrACT units.  
In addition to monitoring free chlorine, these units are also setup to monitor pH and Temp.  
This work was a planned 2026 capital improvement project and follows work previously done on our Tap sample location.  
Williams Tower was taken out of service on the 30th to allow for internal coating work being done by USG.

# Bay Area WTP Monthly Operating Report

Flows									
Date	Raw Water (MG)			Clarified (MG)	Sludge (MG)	Treated (MG)	Finished Water Pumped (MG)		
	N. Euclid	Lauria Road	Total	Total	Total	Total	N. Euclid	Lauria Road	Total
	FIT-1000-1	FIT-1000-2	Calculated	FIT-5520-1	FIT-5180	FIT-4000-1	FIT-4040-1	FIT-4040-2	Calculated
3/1/2026	0.00	6.47	6.47	0.18	0.08	6.61	3.17	2.71	5.89
3/2/2026	0.00	6.53	6.53	0.15	0.08	6.37	3.16	2.67	5.83
3/3/2026	0.00	6.75	6.75	0.16	0.08	6.57	3.09	2.74	5.82
3/4/2026	0.00	6.79	6.79	0.16	0.09	6.72	3.31	2.82	6.13
3/5/2026	0.00	6.79	6.79	0.17	0.08	6.67	3.20	2.73	5.93
3/6/2026	0.00	6.60	6.60	0.17	0.08	6.58	3.17	2.67	5.84
3/7/2026	0.00	5.69	5.69	0.16	0.08	6.60	3.30	2.81	6.11
3/8/2026	0.00	6.07	6.07	0.15	0.08	6.34	3.01	2.69	5.70
3/9/2026	0.00	6.75	6.75	0.17	0.09	6.73	3.25	2.82	6.07
3/10/2026	0.00	6.45	6.45	0.17	0.06	6.68	3.20	2.83	6.03
3/11/2026	0.00	6.82	6.82	0.16	0.08	6.85	3.21	2.89	6.11
3/12/2026	0.00	7.53	7.53	0.16	0.08	6.32	3.04	2.69	5.72
3/13/2026	0.00	6.55	6.55	0.17	0.08	6.86	3.17	2.81	5.99
3/14/2026	0.00	5.92	5.92	0.17	0.08	6.09	3.07	2.71	5.78
3/15/2026	0.00	5.89	5.89	0.16	0.08	5.93	2.82	2.49	5.30
3/16/2026	0.00	6.40	6.40	0.16	0.08	6.84	3.20	2.84	6.04
3/17/2026	0.00	6.66	6.66	0.18	0.08	6.55	3.15	2.79	5.94
3/18/2026	0.00	6.94	6.94	0.17	0.08	6.25	3.03	2.66	5.69
3/19/2026	0.00	6.98	6.98	0.12	0.12	6.75	3.25	2.84	6.09
3/20/2026	0.00	5.33	5.33	0.15	0.08	5.78	2.78	2.43	5.22
3/21/2026	0.00	6.04	6.04	0.16	0.08	6.62	3.01	2.63	5.64
3/22/2026	0.00	6.51	6.51	0.15	0.08	5.96	2.87	2.56	5.43
3/23/2026	0.00	6.78	6.78	0.16	0.08	6.09	2.99	2.62	5.60
3/24/2026	0.00	6.34	6.34	0.15	0.08	6.27	2.95	2.61	5.56
3/25/2026	0.00	5.45	5.45	0.15	0.08	6.05	2.92	2.57	5.48
3/26/2026	0.00	6.41	6.41	0.15	0.08	6.22	2.93	2.59	5.52
3/27/2026	0.00	6.70	6.70	0.16	0.08	6.24	2.99	2.63	5.62
3/28/2026	0.00	5.21	5.21	0.15	0.08	6.17	2.89	2.54	5.43
3/29/2026	0.00	6.04	6.04	0.16	0.08	5.99	2.86	2.52	5.38
3/30/2026	0.00	6.53	6.53	0.17	0.08	6.72	3.18	2.85	6.03
3/31/2026	0.00	6.49	6.49	0.17	0.08	6.57	3.16	2.82	5.98
Total	0.00	198.40	198.40	4.98	2.42	198.99	95.33	83.56	178.88
Avg	0.00	6.40	6.40	0.16	0.08	6.42	3.08	2.70	5.77
Min	0.00	5.21	5.21	0.12	0.06	5.78	2.78	2.43	5.22
Max	0.00	7.53	7.53	0.18	0.12	6.86	3.31	2.89	6.13

Recovery Process Efficiency	
Sludge Flow / Recovery Flow	
32.7%	

Facility Water Efficiency		
Waste (MG)	Treated (MG)	T/W (G)
7.89	198.99	25.2

Raw Water Analysis								
Date	Temp	pH	Turbidity		F	Free Cl	Bacti	
	Average	Average	Average	Maximum	Grab	Average	Positive/Negative	
	°C		NTU		mg/L	mg/L	Total Coliform	E. coli
	TIT-1000	AIT-1000-2	AIT-1000-1		Lab - Mem Feed	AIT-1035-2	Lab	
3/1/2026	2.3	7.87	0.31	0.55	0.08	0.47	Negative	Negative
3/2/2026	2.2	7.86	0.26	1.21	0.07	0.49	Negative	Negative
3/3/2026	2.3	7.85	0.25	0.29	0.09	0.41	Negative	Negative
3/4/2026	2.3	7.86	0.22	0.33	0.09	0.34	Negative	Negative
3/5/2026	2.7	7.86	0.23	0.27	0.09	0.32	Negative	Negative
3/6/2026	3.5	7.91	0.25	0.51	0.10	0.39	Negative	Negative
3/7/2026	5.0	7.94	0.26	0.30	0.10	0.53	Negative	Negative
3/8/2026	5.0	7.94	0.23	0.29	0.09	0.49	Negative	Negative
3/9/2026	3.5	7.96	0.22	0.25	0.09	0.49	Negative	Negative
3/10/2026	2.1	7.95	0.20	0.23	0.09	0.56	Negative	Negative
3/11/2026	1.8	7.95	0.18	0.22	0.09	0.56	Negative	Negative
3/12/2026	1.7	7.95	2.34	5.37	0.09	0.40	Negative	Negative
3/13/2026	1.7	7.93	2.89	9.28	0.09	0.34	Negative	Negative
3/14/2026	1.7	7.96	0.80	3.07	0.09	0.49	Negative	Negative
3/15/2026	3.2	7.95	1.39	2.68	0.08	0.48	Negative	Negative
3/16/2026	3.2	7.96	0.84	2.50	0.10	0.47	Negative	Negative
3/17/2026	3.1	7.95	3.52	6.65	0.08	0.27	Negative	Negative
3/18/2026	3.1	7.93	4.58	10.00	0.10	0.26	Negative	Negative
3/19/2026	3.0	7.94	2.14	3.84	0.10	0.55	Negative	Negative
3/20/2026	3.1	7.94	1.25	2.56	0.10	0.63	Negative	Negative
3/21/2026	2.8	7.93	0.91	1.18	0.10	0.70	Negative	Negative
3/22/2026	3.0	7.92	0.93	1.71	0.09	0.76	Negative	Negative
3/23/2026	2.9	7.93	0.58	0.76	0.09	0.71	Negative	Negative
3/24/2026	3.0	7.93	1.76	3.74	0.09	0.53	Negative	Negative
3/25/2026	3.2	7.94	2.27	7.00	0.09	0.36	Negative	Negative
3/26/2026	2.7	7.81	1.74	4.88	0.09	0.39	Negative	Negative
3/27/2026	2.7	7.77	1.10	1.79	0.09	0.47	Negative	Negative
3/28/2026	2.7	7.79	3.33	10.00	0.09	0.35	Negative	Negative
3/29/2026	2.8	7.75	2.87	7.45	0.09	0.47	Negative	Negative
3/30/2026	2.8	7.77	0.89	1.37	0.09	0.67	Negative	Negative
3/31/2026	2.8	7.78	0.80	1.41	0.10	0.59	Negative	Negative
Avg	2.8	7.90	1.28	2.96	0.09	0.48	NA	NA
Min	1.7	7.75	0.18	0.22	0.07	0.26	NA	NA
Max	5.0	7.96	4.58	10.00	0.10	0.76	NA	NA

F Ratio, Raw/Tap:
12.9

Finished Water Analysis																			
Date	Temp	pH	Phosphate	Fluoride		Free Cl <sub>2</sub>	Hardness	Alkalinity (as CaCO <sub>3</sub> )		Chloride	Sulfate	Calcium (as CaCO <sub>3</sub> )	Dissolved Oxygen	Conductivity	Langelier Saturation Index	Chloride: Sulfate Mass Ratio	Larson-Skold Index	Bacti	
	Average	Average	Average	Tap	Dist	Average	Grab	Carbonate	Bicarbonate	Grab	Grab	Grab	Grab	Grab	Calculated	Calculated	Calculated	Positive/Negative	
	°C		mg/L	mg/L		mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	uS/cm				Total Coliform	E. coli
			AIT-4040-1	AIT-4050-2	AIT-4040-5	Lab	AIT-4050-1	Lab	Lab	Lab	Lab	Lab	Lab	Lab				Lab	
3/1/2026	2.5	7.54	3.34	0.69		1.01	103.00	0	82	10	9	74	13.0	254	-1.07	1.10	0.35	Negative	Negative
3/2/2026	2.5	7.54	3.26	0.69	0.66	1.03	106.00	0	80	9	10	78	12.9	260	-1.06	0.91	0.36	Negative	Negative
3/3/2026	2.5	7.53	3.40	0.69		1.00	108.00	0	80	9	9	78	12.5	258	-1.07	1.03	0.35	Negative	Negative
3/4/2026	2.5	7.53	3.41	0.70		1.00	110.00	0	80	10	11	76	13.8	260	-1.09	0.90	0.39	Negative	Negative
3/5/2026	2.6	7.53	3.39	0.72		0.99	114.00	0	83	10	12	86	13.4	260	-1.01	0.84	0.40	Negative	Negative
3/6/2026	2.6	7.54	3.40	0.71		1.00	112.00	0	84	11	13	86	13.9	258	-1.00	0.84	0.42	Negative	Negative
3/7/2026	2.9	7.55	3.39	0.71		1.02	116.00	0	87	10	12	86	13.3	262	-0.97	0.87	0.38	Negative	Negative
3/8/2026	2.9	7.55	3.39	0.67		1.01	104.00	0	83	10	10	72	13.3	259	-1.06	0.98	0.36	Negative	Negative
3/9/2026	2.9	7.55	3.37	0.67		1.00	102.00	0	83	10	13	76	13.0	261	-1.04	0.76	0.41	Negative	Negative
3/10/2026	2.9	7.55	3.36	0.71	0.66	0.99	102.00	0	81	10	10	78	12.9	257	-1.04	0.96	0.36	Negative	Negative
3/11/2026	2.8	7.55	3.36	0.74		1.01	110.00	0	78	10	10	70	13.3	246	-1.10	0.96	0.38	Negative	Negative
3/12/2026	2.8	7.55	3.36	0.71		1.00	104.00	0	78	10	10	72	13.3	246	-1.09	0.97	0.38	Negative	Negative
3/13/2026	2.9	7.56	3.37	0.72		0.99	106.00	0	80	10	9	70	13.2	252	-1.08	1.07	0.35	Negative	Negative
3/14/2026	2.9	7.60	3.33	0.72		1.00	108.00	0	82	10	11	78	12.5	260	-0.98	0.94	0.39	Negative	Negative
3/15/2026	3.0	7.60	3.36	0.67		1.03	108.00	0	84	10	12	80	13.0	245	-0.95	0.82	0.38	Negative	Negative
3/16/2026	3.2	7.60	3.35	0.72		1.02	108.00	0	80	10	11	74	12.2	242	-1.00	0.88	0.39	Negative	Negative
3/17/2026	3.3	7.62	3.35	0.70	0.72	1.02	110.00	0	82	10	12	74	12.7	246	-0.98	0.83	0.40	Negative	Negative
3/18/2026	3.2	7.62	3.36	0.70		1.01	110.00	0	75	10	10	80	12.2	255	-0.99	0.99	0.40	Negative	Negative
3/19/2026	3.2	7.61	3.36	0.70		1.03	110.00	0	84	11	11	78	14.4	254	-0.96	1.03	0.40	Negative	Negative
3/20/2026	3.1	7.59	3.35	0.69		1.02	108.00	0	82	10	11	78	12.5	244	-0.98	0.95	0.39	Negative	Negative
3/21/2026	3.1	7.59	3.35	0.71		1.03	106.00	0	81	9	10	76	12.8	243	-1.00	0.94	0.36	Negative	Negative
3/22/2026	3.0	7.58	3.35	0.70		1.04	108.00	0	79	10	10	78	12.6	257	-1.01	0.95	0.37	Negative	Negative
3/23/2026	3.0	7.59	3.36	0.68		1.02	106.00	0	78	10	10	78	13.1	232	-1.01	0.99	0.38	Negative	Negative
3/24/2026	3.0	7.57	3.35	0.69		1.01	106.00	0	79	9	10	74	13.0	229	-1.04	0.93	0.37	Negative	Negative
3/25/2026	3.0	7.57	3.35	0.73		1.01	102.00	0	80	9	10	72	13.4	231	-1.05	0.91	0.36	Negative	Negative
3/26/2026	3.0	7.59	3.35	0.71		1.00	108.00	0	80	10	11	78	12.7	240	-1.00	0.93	0.40	Negative	Negative
3/27/2026	3.1	7.60	3.35	0.68		1.01	106.00	0	80	10	13	78	12.7	239	-0.99	0.77	0.42	Negative	Negative
3/28/2026	3.2	7.61	3.35	0.69		1.02	100.00	0	81	11	12	74	12.7	238	-0.99	0.95	0.43	Negative	Negative
3/29/2026	3.2	7.61	3.35	0.68		1.00	106.00	0	83	11	13	78	12.6	248	-0.96	0.85	0.43	Negative	Negative
3/30/2026	3.4	7.60	3.34	0.69	0.69	1.01	106.00	0	82	12	10	78	12.3	246	-0.97	1.16	0.40	Negative	Negative
3/31/2026	3.4	7.60	3.34	0.70		1.01	108.00	0	81	11	11	78	13.8	241	-0.97	1.00	0.41	Negative	Negative
Avg	3.0	7.57	3.36	0.70	0.68	1.01	107.13	0	81	10	11	77	13.0	249	-1.02	0.94	0.39	NA	NA
Min	2.5	7.53	3.26	0.67	0.66	0.99	100.00	0	75	9	9	70	12.2	229	-1.10	0.76	0.35	NA	NA
Max	3.4	7.62	3.41	0.74	0.72	1.04	116.00	0	87	12	13	86	14.4	262	-0.95	1.16	0.43	NA	NA

Turbidity										
Date	Raw Water		Clarified Water	Membrane Feed Water	Combined Membrane Filtrate					Finished Water
	Avg	Max	Avg	Avg	Avg	Max	# Samples	# > 0.3	% Exceeded	Avg
	NTU									
	AIT-1000-1		AIT-5030-1	AIT-1035-3	AIT-4000-1				Calculated	
3/1/2026	0.31	0.55	1.96	0.26	0.023	0.023	96	0	0.0	0.026
3/2/2026	0.26	1.21	1.87	0.23	0.023	0.023	96	0	0.0	0.027
3/3/2026	0.25	0.29	2.46	0.22	0.023	0.023	96	0	0.0	0.027
3/4/2026	0.22	0.33	3.69	0.21	0.023	0.023	96	0	0.0	0.027
3/5/2026	0.23	0.27	1.07	0.20	0.023	0.025	96	0	0.0	0.027
3/6/2026	0.25	0.51	1.14	0.20	0.023	0.023	96	0	0.0	0.027
3/7/2026	0.26	0.30	1.21	0.20	0.023	0.024	96	0	0.0	0.027
3/8/2026	0.23	0.29	2.23	0.21	0.023	0.025	96	0	0.0	0.027
3/9/2026	0.22	0.25	2.54	0.21	0.023	0.023	96	0	0.0	0.026
3/10/2026	0.20	0.23	1.47	0.20	0.023	0.024	96	0	0.0	0.027
3/11/2026	0.18	0.22	0.63	0.18	0.022	0.023	96	0	0.0	0.026
3/12/2026	2.34	5.37	0.65	0.49	0.022	0.024	96	0	0.0	0.026
3/13/2026	2.89	9.28	0.70	1.91	0.023	0.024	96	0	0.0	0.026
3/14/2026	0.80	3.07	0.69	1.32	0.023	0.023	96	0	0.0	0.027
3/15/2026	1.39	2.68	0.67	1.18	0.023	0.024	96	0	0.0	0.027
3/16/2026	0.84	2.50	0.72	0.96	0.023	0.024	96	0	0.0	0.027
3/17/2026	3.52	6.65	1.04	1.43	0.023	0.024	96	0	0.0	0.027
3/18/2026	4.58	10.00	1.33	2.88	0.024	0.025	96	0	0.0	0.028
3/19/2026	2.14	3.84	2.05	2.33	0.024	0.025	96	0	0.0	0.029
3/20/2026	1.25	2.56	1.01	1.80	0.023	0.024	96	0	0.0	0.028
3/21/2026	0.91	1.18	0.76	1.25	0.023	0.024	96	0	0.0	0.027
3/22/2026	0.93	1.71	0.58	1.01	0.022	0.023	96	0	0.0	0.027
3/23/2026	0.58	0.76	0.59	0.79	0.022	0.023	96	0	0.0	0.026
3/24/2026	1.76	3.74	0.46	0.79	0.022	0.023	96	0	0.0	0.026
3/25/2026	2.27	7.00	0.50	1.34	0.022	0.024	96	0	0.0	0.026
3/26/2026	1.74	4.88	0.82	1.55	0.024	0.025	96	0	0.0	0.027
3/27/2026	1.10	1.79	1.00	1.35	0.024	0.025	96	0	0.0	0.028
3/28/2026	3.33	10.00	0.95	1.25	0.023	0.025	96	0	0.0	0.028
3/29/2026	2.87	7.45	1.21	2.25	0.025	0.027	96	0	0.0	0.028
3/30/2026	0.89	1.37	1.19	1.69	0.024	0.025	96	0	0.0	0.028
3/31/2026	0.80	1.41	0.93	1.15	0.023	0.025	96	0	0.0	0.028
Avg	1.28	2.96	1.23	1.00	0.023	0.024	96	0	0.0	0.027
Min	0.18	0.22	0.46	0.18	0.022	0.023	96	0	0.0	0.026
Max	4.58	10.00	3.69	2.88	0.025	0.027	96	0	0.0	0.029

Note: % Exceeded are 4 hr compliance periods where the average of samples are greater than 0.3 NTU

Date	Membrane LRV/Integrity/Max Turbidity																									
	Membrane 1			Membrane 2			Membrane 3			Membrane 4			Membrane 5			Membrane 6			Membrane 7			Membrane 8				
	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity	LRV	Integrity	Turbidity		
	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		Max	Minimum		Max		
Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU	Daily Value	Pass/Fail	NTU
3/1/2026	5.40	PASS	0.029	5.08	PASS	0.029	5.12	PASS	0.028	4.96	PASS	0.026	5.29	PASS	0.028	5.06	PASS	0.028	5.57	PASS	0.027	5.26	PASS	0.028		
3/2/2026	5.40	PASS	0.029	5.08	PASS	0.029	5.09	PASS	0.028	4.95	PASS	0.026	5.20	PASS	0.028	5.04	PASS	0.028	5.57	PASS	0.027	5.32	PASS	0.028		
3/3/2026	5.40	PASS	0.029	5.06	PASS	0.029	5.11	PASS	0.029	4.93	PASS	0.027	5.19	PASS	0.028	5.04	PASS	0.029	5.54	PASS	0.028	5.28	PASS	0.029		
3/4/2026	5.38	PASS	0.029	5.07	PASS	0.029	5.12	PASS	0.029	4.92	PASS	0.027	5.19	PASS	0.028	5.34	PASS	0.029	5.57	PASS	0.028	5.19	PASS	0.029		
3/5/2026	5.35	PASS	0.029	5.07	PASS	0.030	5.06	PASS	0.030	4.96	PASS	0.028	5.19	PASS	0.029	5.34	PASS	0.029	5.57	PASS	0.028	5.20	PASS	0.029		
3/6/2026	5.38	PASS	0.030	5.06	PASS	0.030	5.11	PASS	0.029	4.99	PASS	0.027	5.16	PASS	0.029	5.05	PASS	0.030	5.55	PASS	0.029	5.21	PASS	0.029		
3/7/2026	5.37	PASS	0.029	5.06	PASS	0.029	5.09	PASS	0.029	4.99	PASS	0.027	5.16	PASS	0.028	5.02	PASS	0.029	5.55	PASS	0.028	5.18	PASS	0.029		
3/8/2026	5.39	PASS	0.029	5.06	PASS	0.029	5.09	PASS	0.029	4.96	PASS	0.027	5.18	PASS	0.028	5.33	PASS	0.028	5.56	PASS	0.028	5.23	PASS	0.029		
3/9/2026	5.39	PASS	0.029	5.07	PASS	0.029	5.08	PASS	0.029	4.96	PASS	0.027	5.15	PASS	0.028	4.88	PASS	0.029	5.54	PASS	0.028	5.23	PASS	0.029		
3/10/2026	5.37	PASS	0.029	5.07	PASS	0.029	5.07	PASS	0.028	4.97	PASS	0.027	5.20	PASS	0.027	4.96	PASS	0.029	5.56	PASS	0.027	5.20	PASS	0.028		
3/11/2026	5.35	PASS	0.028	5.11	PASS	0.028	5.13	PASS	0.028	4.97	PASS	0.027	5.21	PASS	0.027	5.05	PASS	0.028	5.56	PASS	0.027	5.20	PASS	0.028		
3/12/2026	5.35	PASS	0.028	5.15	PASS	0.028	5.11	PASS	0.028	4.95	PASS	0.026	5.21	PASS	0.027	5.03	PASS	0.028	5.57	PASS	0.027	5.20	PASS	0.028		
3/13/2026	5.38	PASS	0.029	5.09	PASS	0.030	5.06	PASS	0.029	4.94	PASS	0.027	5.19	PASS	0.028	4.86	PASS	0.029	5.51	PASS	0.028	5.29	PASS	0.029		
3/14/2026	5.37	PASS	0.029	5.11	PASS	0.030	5.11	PASS	0.029	4.95	PASS	0.027	5.14	PASS	0.028	4.89	PASS	0.029	5.52	PASS	0.028	5.32	PASS	0.029		
3/15/2026	5.37	PASS	0.029	5.08	PASS	0.029	5.12	PASS	0.029	5.00	PASS	0.027	5.14	PASS	0.028	4.95	PASS	0.029	5.52	PASS	0.028	5.31	PASS	0.029		
3/16/2026	5.35	PASS	0.029	5.05	PASS	0.029	5.11	PASS	0.029	4.99	PASS	0.027	5.12	PASS	0.028	4.97	PASS	0.029	5.52	PASS	0.028	5.24	PASS	0.029		
3/17/2026	5.34	PASS	0.030	5.03	PASS	0.030	5.10	PASS	0.029	4.93	PASS	0.027	5.09	PASS	0.028	4.96	PASS	0.031	5.54	PASS	0.028	5.23	PASS	0.029		
3/18/2026	5.34	PASS	0.032	5.02	PASS	0.032	5.11	PASS	0.031	4.90	PASS	0.029	5.08	PASS	0.031	4.95	PASS	0.032	5.50	PASS	0.030	5.17	PASS	0.031		
3/19/2026	5.35	PASS	0.031	5.05	PASS	0.030	5.12	PASS	0.030	4.91	PASS	0.029	5.19	PASS	0.030	4.97	PASS	0.030	5.51	PASS	0.029	5.17	PASS	0.030		
3/20/2026	5.34	PASS	0.030	5.18	PASS	0.030	5.13	PASS	0.029	4.92	PASS	0.028	5.17	PASS	0.028	5.16	PASS	0.030	5.51	PASS	0.028	5.20	PASS	0.029		
3/21/2026	5.32	PASS	0.029	5.18	PASS	0.030	5.13	PASS	0.029	4.92	PASS	0.027	5.17	PASS	0.028	4.90	PASS	0.029	5.53	PASS	0.028	5.21	PASS	0.029		
3/22/2026	5.34	PASS	0.029	5.17	PASS	0.029	5.13	PASS	0.028	4.93	PASS	0.027	5.12	PASS	0.027	4.90	PASS	0.028	5.55	PASS	0.027	5.15	PASS	0.028		
3/23/2026	5.37	PASS	0.028	5.17	PASS	0.028	5.16	PASS	0.028	5.31	PASS	0.026	5.17	PASS	0.027	5.31	PASS	0.028	5.52	PASS	0.027	5.15	PASS	0.028		
3/24/2026	5.35	PASS	0.028	5.13	PASS	0.028	5.16	PASS	0.028	5.07	PASS	0.026	5.09	PASS	0.027	5.32	PASS	0.027	5.56	PASS	0.027	5.30	PASS	0.027		
3/25/2026	5.35	PASS	0.029	5.14	PASS	0.029	5.16	PASS	0.028	5.03	PASS	0.027	5.09	PASS	0.028	4.96	PASS	0.029	5.58	PASS	0.027	5.14	PASS	0.028		
3/26/2026	5.33	PASS	0.031	5.14	PASS	0.031	5.16	PASS	0.029	5.03	PASS	0.028	5.10	PASS	0.030	4.97	PASS	0.030	5.55	PASS	0.029	5.13	PASS	0.030		
3/27/2026	5.33	PASS	0.030	5.16	PASS	0.031	5.13	PASS	0.030	5.04	PASS	0.028	5.08	PASS	0.029	4.95	PASS	0.030	5.52	PASS	0.029	5.27	PASS	0.030		
3/28/2026	5.37	PASS	0.030	5.13	PASS	0.030	5.12	PASS	0.029	5.03	PASS	0.028	5.08	PASS	0.029	5.32	PASS	0.029	5.54	PASS	0.028	5.24	PASS	0.030		
3/29/2026	5.40	PASS	0.032	5.12	PASS	0.031	5.15	PASS	0.031	5.00	PASS	0.029	5.15	PASS	0.030	5.30	PASS	0.031	5.54	PASS	0.030	5.23	PASS	0.031		
3/30/2026	5.40	PASS	0.031	5.11	PASS	0.031	5.16	PASS	0.030	5.00	PASS	0.029	5.14	PASS	0.030	5.30	PASS	0.030	5.58	PASS	0.030	5.26	PASS	0.031		
3/31/2026	5.36	PASS	0.030	5.12	PASS	0.030	5.16	PASS	0.030	5.00	PASS	0.028	5.19	PASS	0.029	5.01	PASS	0.030	5.58	PASS	0.028	5.22	PASS	0.030		
Avg	5.36		0.029	5.10		0.030	5.12		0.029	4.98		0.027	5.16		0.028	5.07		0.029	5.54		0.028	5.22		0.029		
Min	5.32		0.028	5.02		0.028	5.06		0.028	4.90		0.026	5.08		0.027	4.86		0.027	5.50		0.027	5.13		0.027		
Max	5.40		0.032	5.18		0.032	5.16		0.031	5.31		0.029	5.29		0.031	5.34		0.032	5.58		0.030	5.32		0.031		

Note: As calculated by the manufacturer, the Upper Control Limit (UCL) for the installed membrane filtration system is 3.32 psi/min.  
 Per the manufacturer's UCL calculation: Q = 1,848 gpm, ALCR = 44.6, P atm = 14.4 psi, LRC = 3, V sys = 356.9 gallons, and VCF = 1.

Operational Guidelines: We have established the following parameter values as control limits to trigger skids to be taken out of service and evaluated.  
 Min LRV: A value of 3.3.  
 Max NTU: A turbidity reading of 0.15 NTU or greater.  
 Flow or Q: While not shown here, a skid will be evaluated if it cannot sustain a flow above 1,000 GPM  
 Max Air Hold Test Result: While not shown on this page, an AHT result of 0.84 PSI/Min or greater.

In Service Dates For Modules			
Train 1		Train 2	
Skid 1	8/2024	12/2023	Skid 2
Skid 3	11/2023	7/2025	Skid 4
Skid 5	2/2023	10/2024	Skid 6
Skid 7	8/2025	1/2023	Skid 8

Treatment Chemical Dosages											
Date	Treated Water	Sodium Hypochlorite					Phosphoric Acid		Hydrofluorosilicic Acid		
		Raw Water	Membrane Feed Water	Dose pre-FW Tanks	Treated Water	Post FW Tanks	Dose pre-FW Tanks	Post FW Tanks	Raw Water	Dose pre-FW Tanks	Post FW Tanks
	Volume	Free Cl <sub>2</sub>					PO <sub>4</sub>		F <sup>-</sup>		
	MG	mg/L					mg/L		mg/L		
	FIT-4000-1	AIT-1035-2	AIT-1035-4	Added	AIT-4030-1	AIT-4050-1	Added	AIT-4040-5	Lab - Mem Feed	Added	Lab
3/1/2026	6.6	0.47	0.31	0.68	1.07	1.01	3.25	3.34	0.08	0.58	0.69
3/2/2026	6.4	0.49	0.35	0.59	1.08	1.03	3.26	3.26	0.07	0.58	0.69
3/3/2026	6.6	0.41	0.34	0.61	1.04	1.00	3.21	3.40	0.09	0.58	0.69
3/4/2026	6.7	0.34	0.30	0.63	1.05	1.00	3.19	3.41	0.09	0.58	0.70
3/5/2026	6.7	0.32	0.25	0.68	1.06	0.99	3.19	3.39	0.09	0.57	0.72
3/6/2026	6.6	0.39	0.26	0.68	1.07	1.00	3.19	3.40	0.10	0.56	0.71
3/7/2026	6.6	0.53	0.29	0.66	1.12	1.02	3.19	3.39	0.10	0.53	0.71
3/8/2026	6.3	0.49	0.35	0.60	1.08	1.01	3.18	3.39	0.09	0.53	0.67
3/9/2026	6.7	0.49	0.36	0.58	1.07	1.00	3.17	3.37	0.09	0.57	0.67
3/10/2026	6.7	0.56	0.39	0.56	1.05	0.99	3.17	3.36	0.09	0.58	0.71
3/11/2026	6.9	0.56	0.43	0.54	1.06	1.01	3.17	3.36	0.09	0.58	0.74
3/12/2026	6.3	0.40	0.40	0.54	1.03	1.00	3.17	3.36	0.09	0.56	0.71
3/13/2026	6.9	0.34	0.27	0.70	1.06	0.99	3.17	3.37	0.09	0.56	0.72
3/14/2026	6.1	0.49	0.29	0.73	1.05	1.00	3.17	3.33	0.09	0.54	0.72
3/15/2026	5.9	0.48	0.31	0.71	1.08	1.03	3.17	3.36	0.08	0.56	0.67
3/16/2026	6.8	0.47	0.34	0.65	1.08	1.02	3.17	3.35	0.10	0.57	0.72
3/17/2026	6.5	0.27	0.28	0.72	1.08	1.02	3.17	3.35	0.08	0.54	0.70
3/18/2026	6.3	0.26	0.16	0.83	1.08	1.01	3.17	3.36	0.10	0.53	0.70
3/19/2026	6.8	0.55	0.14	0.68	1.10	1.03	3.17	3.36	0.10	0.53	0.70
3/20/2026	5.8	0.63	0.27	0.64	1.09	1.02	3.17	3.35	0.10	0.53	0.69
3/21/2026	6.6	0.70	0.42	0.55	1.07	1.03	3.17	3.35	0.10	0.53	0.71
3/22/2026	6.0	0.76	0.48	0.46	1.08	1.04	3.17	3.35	0.09	0.53	0.70
3/23/2026	6.1	0.71	0.52	0.46	1.05	1.02	3.17	3.36	0.09	0.53	0.68
3/24/2026	6.3	0.53	0.55	0.50	1.05	1.01	3.17	3.35	0.09	0.55	0.69
3/25/2026	6.0	0.36	0.45	0.60	1.04	1.01	3.17	3.35	0.09	0.54	0.73
3/26/2026	6.2	0.39	0.31	0.72	1.04	1.00	3.17	3.35	0.09	0.53	0.71
3/27/2026	6.2	0.47	0.31	0.72	1.06	1.01	3.17	3.35	0.09	0.53	0.68
3/28/2026	6.2	0.35	0.32	0.70	1.06	1.02	3.17	3.35	0.09	0.53	0.69
3/29/2026	6.0	0.47	0.27	0.72	1.05	1.00	3.17	3.35	0.09	0.53	0.68
3/30/2026	6.7	0.67	0.38	0.62	1.06	1.01	3.17	3.34	0.09	0.53	0.69
3/31/2026	6.6	0.59	0.42	0.62	1.04	1.01	3.17	3.34	0.10	0.54	0.70
Avg	6.4	0.48	0.34	0.63	1.06	1.01	3.18	3.36	0.09	0.55	0.70
Min	5.8	0.26	0.14	0.46	1.03	0.99	3.17	3.26	0.07	0.53	0.67
Max	6.9	0.76	0.55	0.83	1.12	1.04	3.26	3.41	0.10	0.58	0.74

Disinfection CT														
Date	Pipeline CT				FW Tank CT						Compliance			
	Whitestone	Travel Time	Residual	CT	FW Tank 1	FW Tank 2	Plant	Contact Time	Free Cl <sub>2</sub>	CT	Total CT	Temp	CT	CT
	Flow	Min	RW	Achieved	Min Level	Min Level	Flow	Min	Min	Achieved	Achieved	Avg	Required	Met
	MGD	Minutes	mg/L	mg-min/L	ft	ft	MGD	Minutes	mg/L	mg-min/L	mg-min/L	°C	mg-min/L	Y/N
Entry	Calculated	AIT-1035-2	Calculated	LIT-4005-1	LIT-4005-2	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	AIT-4040-1	Calculated	Calculated
3/1/2026	54.3	2,303	0.47	1073	28.0	23.2	5.9	596	0.99	294	1367	2.5	12.00	Y
3/2/2026	45.2	2,769	0.49	1349	28.2	23.0	5.8	602	1.02	306	1654	2.5	12.00	Y
3/3/2026	39.3	3,180	0.41	1301	28.2	22.6	5.8	598	0.98	293	1594	2.5	12.00	Y
3/4/2026	44.8	2,794	0.34	946	28.2	23.4	6.1	576	0.96	276	1222	2.5	12.00	Y
3/5/2026	40.1	3,121	0.32	994	28.2	21.7	5.9	576	0.92	265	1259	2.6	12.00	Y
3/6/2026	42.4	2,951	0.39	1153	28.2	23.8	5.8	610	0.93	284	1437	2.6	12.00	Y
3/7/2026	49.9	2,507	0.53	1318	28.2	21.8	6.1	560	0.99	277	1595	2.9	12.00	Y
3/8/2026	47.6	2,626	0.49	1300	28.2	22.8	5.7	613	0.96	293	1593	2.9	12.00	Y
3/9/2026	48.4	2,583	0.49	1266	28.2	22.8	6.1	575	0.98	281	1547	2.9	12.00	Y
3/10/2026	42.9	2,917	0.56	1640	28.2	22.5	6.0	577	0.95	275	1915	2.9	12.00	Y
3/11/2026	43.6	2,869	0.56	1616	28.2	22.2	6.1	566	0.97	274	1890	2.8	12.00	Y
3/12/2026	42.9	2,916	0.40	1179	28.2	23.0	5.7	613	0.97	297	1476	2.8	12.00	Y
3/13/2026	39.9	3,137	0.34	1080	28.2	24.0	6.0	598	0.91	272	1352	2.9	12.00	Y
3/14/2026	51.8	2,415	0.49	1194	27.9	20.7	5.8	576	0.95	272	1467	2.9	12.00	Y
3/15/2026	52.6	2,380	0.48	1141	28.2	21.7	5.3	645	1.01	325	1466	3.0	12.00	Y
3/16/2026	51.5	2,427	0.47	1136	28.2	21.9	6.0	569	1.01	289	1424	3.2	12.00	Y
3/17/2026	40.5	3,088	0.27	846	28.1	22.2	5.9	581	1.00	291	1137	3.3	12.00	Y
3/18/2026	42.1	2,970	0.26	779	28.2	21.9	5.7	604	0.98	295	1075	3.2	12.00	Y
3/19/2026	42.8	2,920	0.55	1594	28.2	21.1	6.1	555	0.99	275	1869	3.2	12.00	Y
3/20/2026	43.0	2,911	0.63	1821	28.2	21.3	5.2	649	0.97	315	2136	3.1	12.00	Y
3/21/2026	49.9	2,509	0.70	1765	28.2	21.7	5.6	607	1.03	311	2076	3.1	12.00	Y
3/22/2026	50.8	2,462	0.76	1871	28.2	23.7	5.4	655	1.03	338	2209	3.0	12.00	Y
3/23/2026	47.8	2,618	0.71	1864	28.2	20.8	5.6	599	1.01	303	2167	3.0	12.00	Y
3/24/2026	43.8	2,856	0.53	1524	28.2	21.7	5.6	615	0.99	304	1828	3.0	12.00	Y
3/25/2026	44.2	2,827	0.36	1027	28.2	21.5	5.5	621	0.99	307	1333	3.0	12.00	Y
3/26/2026	38.7	3,232	0.39	1263	28.2	22.3	5.5	627	0.97	305	1567	3.0	12.00	Y
3/27/2026	40.4	3,098	0.47	1444	28.2	22.9	5.6	622	1.00	311	1755	3.1	12.00	Y
3/28/2026	48.9	2,559	0.35	904	28.2	21.7	5.4	630	1.01	318	1222	3.2	12.00	Y
3/29/2026	49.7	2,517	0.47	1176	28.2	22.0	5.4	640	1.00	318	1495	3.2	12.00	Y
3/30/2026	50.0	2,501	0.67	1686	28.2	21.7	6.0	567	1.00	283	1969	3.4	12.00	Y
3/31/2026	44.1	2,835	0.59	1680	28.2	21.9	6.0	574	1.00	286	1966	3.4	12.00	Y
Avg	45.6	2,768	0.48	1320	28.2	22.2	5.8	600	0.98	295	1615	3.0	12.00	NA
Min	38.7	2,303	0.26	779	27.9	20.7	5.2	555	0.91	265	1075	2.5	12.00	NA
Max	54.3	3,232	0.76	1871	28.2	24.0	6.1	655	1.03	338	2209	3.4	12.00	NA

**Notes:**

Pipeline volume factor in SMMWSC to RW tank: 125,090 MG-min/day

Distribution System Monitoring																								
Chlorine Residual at Bacteriological Monitoring Stations (mg/L Free Cl <sub>2</sub> )																								
WSSN:	0072	0390				0400			0470							0485				0517	0518		2180	
Date	Akron	Bangor Twp.				Bangor Monitor Dist.			Bay City							Bay County				Beaver Rd	Beaver Twp		Essexville	
	1	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19	20	23	24	26	29	30	32
3/1/2026																								
3/2/2026																								0.86
3/3/2026	0.53	0.69	0.78	0.58	0.89				0.82	0.60	0.66	0.74	0.68	0.88	0.65	0.77	0.83	0.81	0.78	0.63			0.50	
3/4/2026																								
3/5/2026						0.72	0.84		0.43		0.67	0.75	0.67	0.85	0.63									
3/6/2026																								
3/7/2026																								
3/8/2026																								
3/9/2026																								0.91
3/10/2026		0.71	0.68													0.66	0.67	0.73	0.67	0.43			0.55	
3/11/2026									0.68		0.67	0.77		0.86	0.64						0.64			
3/12/2026								0.89																
3/13/2026																								
3/14/2026																								
3/15/2026																								
3/16/2026																								0.91
3/17/2026		0.67	0.60	0.55	0.85				0.72		0.72	0.60	0.93	0.81	0.66									
3/18/2026																								
3/19/2026									0.62	0.47	0.39	0.52	0.64	0.85	0.65									
3/20/2026																								
3/21/2026																								
3/22/2026																								
3/23/2026																								0.91
3/24/2026									0.78	0.64	0.77	0.77	0.72	0.95	0.63									
3/25/2026																								
3/26/2026																								
3/27/2026																								
3/28/2026																								
3/29/2026																								
3/30/2026									0.88	0.50	0.56	0.80	0.65	0.65	0.58									
3/31/2026																								
Average	0.53	0.70				0.82			0.69							0.70				0.64	0.53		0.90	
Min	0.53	0.55				0.72			0.39							0.43				0.64	0.50		0.86	
Max	0.53	0.89				0.89			0.95							0.83				0.64	0.55		0.91	

MONITORING STATION ADDRESSES

- |  |   |   |
|--|---|---|
| 1. Sample station at corner of 5758 M-25 & R | 11. Number 1 Fire Station, 1401 Center Ave        | 19. Dore's M-84 Party Store, 6183 WS Saginaw Rd |
| 3. Bangor Fire Station, 3921 Wheeler         | 12. Number 2 Fire Station, 1000 Fremont Ave       | 20. Pump Station #13, 6000 WS Saginaw Rd        |
| 4. BCDWS Admin. Bldg. 3933 Patterson Rd.     | 13. Jack's Fruit Market, 1000 Salzburg Ave        | 23. Rail Trail Pump Station, 366 N. Tuscola Rd. |
| 5. 7-11, 3543 S. Old Kawkawlin Rd.           | 14. Number 4 Fire Station, 212 S. Dean St         | 24. Little Learners Daycare, 1694 Cass Ave.     |
| 6. Admiral Petroleum, 314 S Euclid Ave.      | 15. Number 5 Fire Station, 1209 Smith St          | 26. Wieland Contracting, 2443 S Mackinaw Rd     |
| 7. Sequin Lumber, 3881 Euclid Ave            | 16. Bay City Hall, 301 Washington Ave             | 29. Sample Station, 2515 S. 11 Mile Rd          |
| 9. Top Gun Liquor, 2981 Midland Rd           | 17. Skipper Buds Marina, 1809 S Water St          | 30. Sample Station, 340 W. Beaver Rd            |
| 10. Little Caesars, 3475 E North Union Rd    | 18. Bay Valley Animal Hospital 6015 WS Saginaw Rd | 32. Essexville City Hall, 1107 Woodside Ave     |

Shading Designation Legend	
TC- / EC-	TC+
HPC	EC+

Distribution System Monitoring																												
Chlorine Residual at Bacteriological Monitoring Stations (mg/L Free Cl <sub>2</sub> )																												
WSSN:	2465		2960				3565			3570		3910		4280		4440			5330		5335		5540	7125			7134	
	Date	Fraser Twp.		Hampton Twp.				Kawkawlin Twp.			Kawkawlin Met.		Linwood, LMWD		Merritt Twp.		Monitor Twp.			City Pinconning		Pinconning Twp.		Portsmouth	Williams Twp.			Wisner
	34	35	36	37	38	39	40	41	42	43	45	73	74	46	48	49	52	55	58	59	61	63	65	68	69	70	72	
3/1/2026																												
3/2/2026																												
3/3/2026														0.63										0.29	0.57	0.51	0.51	0.55
3/4/2026																												
3/5/2026		0.69	0.73	0.61	0.49	0.59	0.85	0.70		0.73						0.89	0.72	0.70	0.58		0.70							
3/6/2026																												
3/7/2026																												
3/8/2026																												
3/9/2026																												
3/10/2026														0.46											0.55	0.65	0.61	
3/11/2026																												
3/12/2026	0.68			0.49	0.54	0.57			1.02	0.70		0.47				0.82	0.62	0.56	0.56		0.66							
3/13/2026																												
3/14/2026																												
3/15/2026																												
3/16/2026																												
3/17/2026																												
3/18/2026																												
3/19/2026				0.50	0.54	0.52																						
3/20/2026																												
3/21/2026																												
3/22/2026																												
3/23/2026																												
3/24/2026																												
3/25/2026																												
3/26/2026																												
3/27/2026																												
3/28/2026																												
3/29/2026																												
3/30/2026																												
3/31/2026																												
Average	0.69			0.56			0.86			0.72		0.47		0.55		0.72			0.57		0.68		0.29		0.57		0.55	
Min	0.68			0.49			0.70			0.70		0.47		0.46		0.56			0.56		0.66		0.29		0.51		0.55	
Max	0.69			0.73			1.02			0.73		0.47		0.63		0.89			0.58		0.70		0.29		0.65		0.55	

MONITORING STATION ADDRESSES

34. Fraser Elevated Tank, 2949 1/2 N. Huron Rd	43. Speedway, 106 S. Huron Rd.	59. Marathon Gas Station, 511 S Mabel St	73. Kyle Twining, 407 W. Clara Street
35. Lloyd's Cabinet, 1947 N Huron Rd	45. Kawkawlin Restaurant, 103 S Huron Rd	61. Pinconning Meter Pit, 3005 N Huron Rd	74. Linwood Party and Sporting Goods, 211 W. Center St.
36. Shirts Mugs & More, 2728 Center Ave	46. John's Bar, 1476 S Tuscola Rd	63. Master Meter Pit, 2865 Pinconning Rd	
37. Hampton DPW, 950 Wagner Rd.	48. Tool Shed Bar, 12 W Munger Rd	65. Ike's Welding, 50 N Finn Rd	
38. Bay County Golf Course, 584 W Hampton Rd.	49. Wilder Rd Party Store, 2951 E Wilder Rd	68. Williams Township Hall, 1080 W Midland Rd	
39. Sewer Lift Station, 902 Nebobish Rd.	52. Monitor Twp. Elevated Tank, 1611 E. Midland Rd	69. Pump Station, 490 W. Salzburg & 9 Mile Rd	
40. Bay Co. Road Commisison, 2600 E Beaver Rd	55. Auburn Fertilizer, 4640 S 7 Mile Rd	70. 11 Mile Elevated Tank, 5003 S. 11 Mile Rd	
41. Parish Rd. Elevated Tank, 1770 E. Parish Rd	58. Pinconning City Hall, 208 S Manitou St	72. Lindy's Sales, 9051 M-25	
42. Linwood Tile, 205 S Huron Rd			

Shading Designation Legend	
TC- / EC-	TC
HPC	EC+

Distribution System Bacteriological  
Water Supplier Bacteriological Analysis Report

Name of Water Supply:  
**Bay Area Water System - WSSN 0465**

MICHIGAN DEPARTMENT OF PUBLIC HEALTH  
Bureau of Environmental Health  
Water Supplier Bacteriological Analysis Report

March, 2026

DISTRIBUTION SYSTEM SAMPLES

COUNTY	COMMUNITY	WSSN	CHLORINE MONITORING			BACTERIOLOGICAL MONITORING					
			AVERAGE FREE CL <sub>2</sub> RESIDUAL	SAMPLES WITH NO DETECTABLE* FREE CL <sub>2</sub> RESIDUAL	PERCENT OF SAMPLES WITH NO DETECTABLE* FREE CL <sub>2</sub> RESIDUAL	NUMBER OF ROUTINE SAMPLES REQUIRED	NUMBER OF SAMPLES COLLECTED	NUMBER OF POSITIVE SAMPLES	REPEAT SAMPLES REQUIRED	NUMBER OF REPEAT SAMPLES GATHERED	REPEAT SAMPLING COMPLETE
Tuscola	Akron	0072	0.53	0	0	1	1	0			
BAY	Bangor Township	0390	0.70	0	0	10	10	0			
BAY	Bangor-Monitor Dist.	0400	0.82	0	0	3	3	0			
BAY	Bay City	0470	0.69	0	0	30	45	0			
BAY	Bay County (Frankl./Monitor/Portsm.)	0485	0.70	0	0	9	10	0			
BAY	Beaver Road Area	0517	0.64	0	0	1	1	0			
BAY	Beaver Township	0518	0.53	0	0	2	2	0			
BAY	Essexville	2180	0.90	0	0	4	4	0			
BAY	Fraser Township	2465	0.69	0	0	2	2	0			
BAY	Hampton Township	2960	0.56	0	0	10	10	0			
BAY	Kawkawlin Township	3565	0.86	0	0	3	3	0			
BAY	Kawkawlin Metro Dist.	3570	0.72	0	0	2	2	0			
BAY	Linwood Metro Water District	3910	0.47	0	0	1	1	0			
BAY	Merritt Township	4280	0.55	0	0	2	2	0			
BAY	Monitor Township	4440	0.72	0	0	6	6	0			
BAY	City of Pinconning	5330	0.57	0	0	2	2	0			
BAY	Pinconning Township	5335	0.68	0	0	2	2	0			
BAY	Portsmouth Township	5540	0.29	0	0	1	1	0			
BAY	Williams Township	7125	0.57	0	0	6	6	0			
Tuscola	Wisner	7134	0.55	0	0	1	1	0			

**Total Distribution - Free Chlorine Samples**

**Repeat Bacteriological Sampling Details**

Required Number of Routine Samples:	98
Total Number of Routine Samples Gathered:	114
Free Chlorine Analysis:	
Minimum Free Chlorine Residual:	0.29 mg/L
Average Free Chlorine Residual:	0.67 mg/L
Median Free Chlorine Residual:	0.67 mg/L
Maximum Free Chlorine Residual:	1.02 mg/L
Range of Free Chlorine Residual:	0.73 mg/L
Water Plant's Free Chlorine Residual at POE to Distribution:	
Minimum Free Chlorine Residual:	0.99 mg/L
Average Free Chlorine Residual:	1.01 mg/L
Maximum Free Chlorine Residual:	1.04 mg/L

If repeat samples were required, this space will be filled out to document those details.

DETECTABLE\*: The detectable level of free chlorine is determined by having either a free chlorine residual greater than or equal to 0.02 mg/L at the time of sample collection or by HPC results less than or equal to 500 colony forming units (CFU) per mL.